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## What is claimed is:

- 1. A photovoltaic element module comprising at least two electrically connected photovoltaic elements to each other, wherein a medium capable of absorbing at least 10% or more of a light having a wavelength of 0.4  $\mu m$  to 2.0  $\mu m$  is provided on an electric connection portion of the photovoltaic element.
- 2. A photovoltaic element module according to Claim 1, wherein the photovoltaic element has at least a conductive substrate and a semiconductor layer.
- 3. A photovoltaic element module according to Claim 1, wherein the medium is a color ink.
- 4. A photovoltaic element module according to Claim 1, wherein the medium is a film having a thickness of 5  $\mu m$  to 30  $\mu m\,.$
- 5. A photovoltaic element module according to Claim 1, wherein the medium consists of at least one of Fe, Ni, and solder.
- A photovoltaic element module according to
   Claim 1, wherein the medium absorbs 10% or more of a laser light having a wavelength of 1.06 μm.

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- 7. A photovoltaic element module according to Claim 1, wherein in the electric connection portion, each of metal members provided on each of the photovoltaic elements are electrically connected to each other.
- 8. A photovoltaic element module according to Claim 7, wherein the metal members comprise at least one of gold, silver, copper, stainless, and aluminum as a main component.
- 9. A method of producing a photovoltaic element module, which comprises a step of electrically connecting at least two photovoltaic elements to each other, wherein the step is a step of electrically connecting a first and a second photovoltaic elements by providing on a part of the first photovoltaic element a medium capable of absorbing at least 10% or more of a light having a wavelength of 0.4  $\mu$ m to 2.0  $\mu$ m and irradiating the medium with a laser light having a wavelength of 0.4  $\mu$ m to 2.0  $\mu$ m.
- 10. A method of producing a photovoltaic element module according to Claim 9, wherein the medium is a color ink.
  - 11. A method of producing a photovoltaic element

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module according to Claim 9, wherein the medium is a film having a thickness of 5 mm to  $30\mu m$ .

- 12. A method of producing a photovoltaic element module according to Claim 9, wherein the medium consists of at least one of Fe, Ni, and solder.
  - 13. A method of producing a photovoltaic element module according to Claim 9, wherein a metal member is provided on an electrode portion of the photovoltaic element and wherein the medium is provided on a surface of the metal member.
  - 14. A method of producing a photovoltaic element module, which comprises a step of electrically connecting at least two photovoltaic elements to each other, wherein each of the photovoltaic element has at least a conductive substrate, a semiconductor layer, and a light-transmissive electrode, and wherein the step is a step of electrically connecting a conductive substrate of a first photovoltaic element and a light-transmissive electrode of a second photovoltaic element to each other by laser welding.
- 25 15. A method of producing a photovoltaic element module according to Claim 14, wherein a metal member is are provided on the conductive substrate of the first

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photovoltaic element and/or the light-transmissive electrode of the second photovoltaic element, wherein a medium capable of absorbing a laser light is provided on the metal member, and wherein the medium is irradiated with the laser light to carry out the laser welding.

- 16. A method of producing a photovoltaic element module according to Claim 15, wherein the medium absorbs 10% or more of a light having a wavelength of 0.4  $\mu m$  to 2.0  $\mu m$ .
- 17. A non-contact treatment method of carry out treatment by using an energy supply means for supplying energy, which comprises placing a non-adhering medium capable of absorbing the energy on a material to be treated, and irradiating the non-adhering medium with the energy.
- 20 18. A non-contact treatment method according to Claim 17, wherein a surface of the non-adhering medium closely contacting the material to be treated has a surface roughness of 0.1 nm to 5,000 nm in mean square.
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  19. A non-contact treatment method according to Claim 17, wherein the non-adhering medium has at least a polymer film.

- 20. A non-contact treatment method according to Claim 17, wherein the non-adhering medium is a magnetic tape.
- 21. A non-contact treatment method according to Claim 20, wherein a magnetic surface of the magnetic tape is closely contacted with the material to be treated.
- 10 22. A non-contact treatment method according to Claim 17, wherein the non-adhering medium absorbs 10% or more of a light having a wavelength of 0.4  $\mu m$  to 2.0  $\mu m$  .
- 23. A non-contact treatment method according to Claim 17, wherein the energy is light, heat, or electromagnetic waves.
- 24. A non-contact treatment method according to

  Claim 17, wherein the non-adhering medium is irradiated with the energy while pressing the non-adhering medium against the material to be treated.
- 25. A non-contact treatment method according to
  25. Claim 17, wherein the non-adhering medium is removed by irradiation of the energy.

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- 26. A non-contact treatment method according to Claim 17, wherein the non-adhering medium is removed after the energy irradiation.
- 5 27. A non-contact treatment method according to Claim 17, wherein the treatment is cutting or welding.
  - 28. A non-contact treatment method according to Claim 17, wherein the non-adhering medium is supplied from a roll of the non-adhering medium, and after the energy irradiation, is wound up.
  - 29. A non-contact treatment method according to Claim 17, wherein the material to be treated is an electrode of an electric part.
  - 30. A non-contact treatment method according to Claim 17, wherein the material to be treated is an electrode of a photovoltaic element.

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31. A non-contact treatment method according to Claim 17, wherein the material to be treated is a material having a high reflectance with respect to energy irradiation.

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32. A method of producing a photovoltaic element module, which comprises a step of electrically

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connecting at least two photovoltaic elements to each other, wherein the step is a step of placing on a part of a first photovoltaic element a non-adhering medium capable of absorbing energy and irradiating the medium with energy to electrically connect the first photovoltaic element and a second photovoltaic element to each other.

- 33. A method of producing a photovoltaic element module according to Claim 32, wherein a surface of the non-adhering medium closely contacting a material to be treated has a surface roughness of 0.1 nm to 5,000 nm in mean square.
- 34. A method of producing a photovoltaic element module according to Claim 32, wherein the non-adhering medium has at least a polymer film.
- 35. A method of producing a photovoltaic element module according to Claim 32, wherein the non-adhering medium is a magnetic tape.
  - 36. A method of producing a photovoltaic element module according to Claim 35, wherein a magnetic surface of the magnetic tape is closely contacted with a part of the first photovoltaic element.

A method of producing a photovoltaic element module according to Claim 32, wherein a metal member is provided on an electrode portion of the photovoltaic element and wherein the non-adhering medium is provided on a surface of the metal member.

A photovoltaic element module produced by the method of Claim 32 of producing a photovoltaic element module.